

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092019\
 Data File : VX012547.D
 Acq On : 20 Sep 2019 11:16
 Operator : JC/SP
 Sample : VX0920MBL01
 Misc : 5.0g/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920MBL01

Quant Time: Sep 20 16:18:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	183650	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	295629	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	250258	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	102336	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	124421	47.27	ug/l	0.00
Spiked Amount						
			Recovery	=	94.54%	
35) Dibromofluoromethane	5.49	113	88461	49.44	ug/l	0.00
Spiked Amount						
			Recovery	=	98.88%	
50) Toluene-d8	8.71	98	336189	50.76	ug/l	0.00
Spiked Amount						
			Recovery	=	101.52%	
62) 4-Bromofluorobenzene	11.14	95	121452	44.17	ug/l	0.00
Spiked Amount						
			Recovery	=	88.34%	

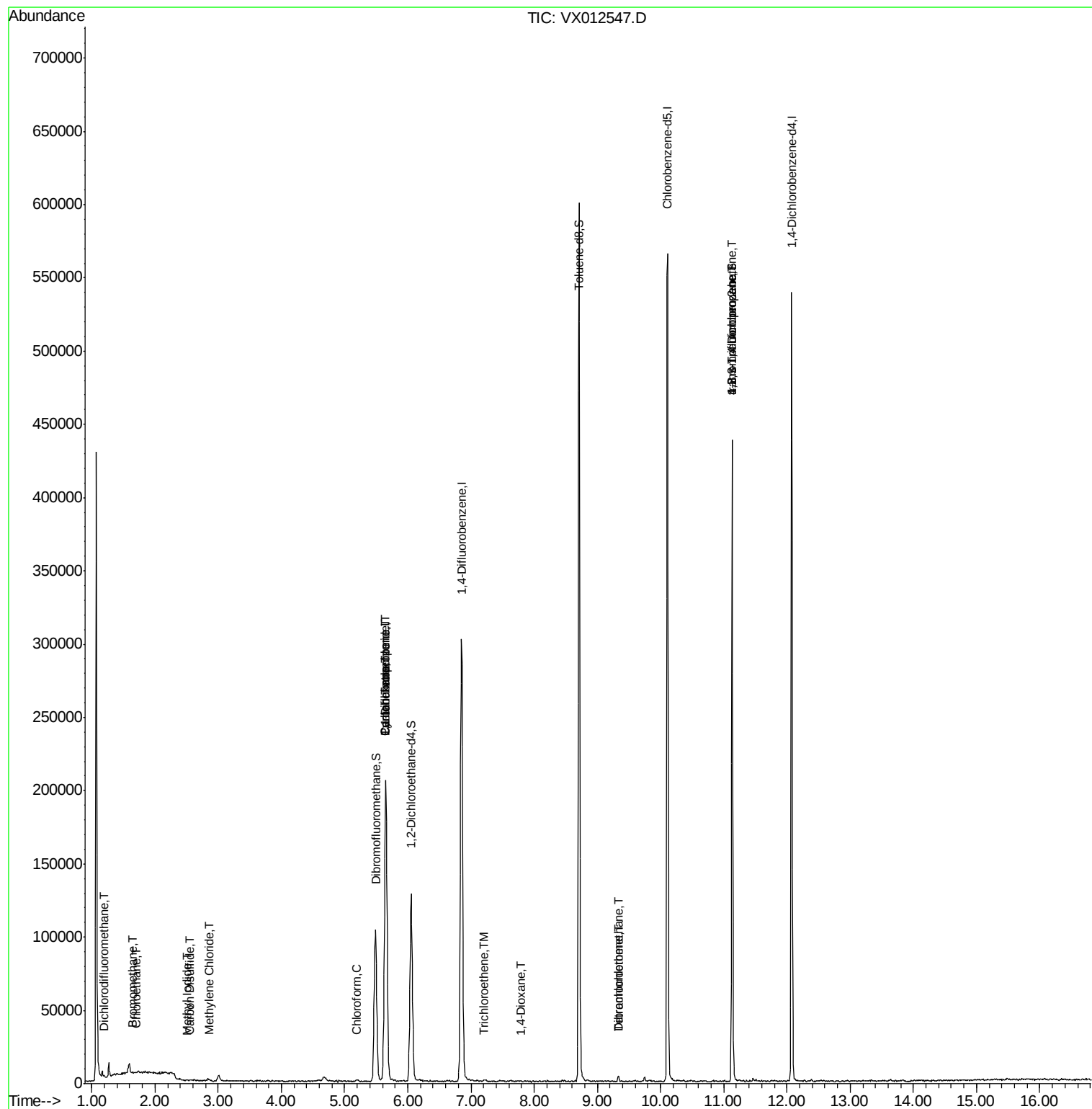
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	44	0.427	ug/l #	43
5) Bromomethane	1.64	94	418	0.975	ug/l #	39
6) Chloroethane	1.70	64	440	0.515	ug/l #	69
10) Methyl Iodide	2.51	142	517	4.821	ug/l #	61
11) Tert butyl alcohol	3.01	59	2364	Below Cal		100
13) Acrolein	2.26	56	204	Below Cal	#	57
16) Acetone	2.43	43	171	Below Cal	#	46
17) Carbon Disulfide	2.56	76	513	2.109	ug/l #	75
20) Methylene Chloride	2.85	84	450	0.282	ug/l #	52
30) Chloroform	5.20	83	807	0.233	ug/l #	61
31) Cyclohexane	5.65	56	4869	2.678	ug/l #	8
36) 1,1-Dichloropropene	5.65	75	15363	8.551	ug/l #	53
38) Carbon Tetrachloride	5.65	117	19565	8.756	ug/l #	16
44) Trichloroethene	7.20	130	307	0.204	ug/l	88
49) 1,4-Dioxane	7.78	88	23	0.405	ug/l #	1
60) Dibromochloromethane	9.34	129	708	0.366	ug/l #	11
64) Tetrachloroethene	9.33	164	644	0.562	ug/l	84
76) 1,2,3-Trichloropropane	11.13	75	64465	27.423	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	64465	73.721	ug/l #	8

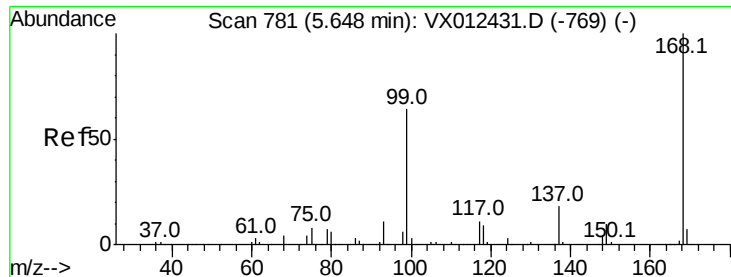
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092019\
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Instrument :
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ClientSampleId :
VX0920MBL01

Quant Time: Sep 20 16:18:52 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 17 15:27:10 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012547.D

Acq: 20 Sep 2019 11:16

Instrument :

MSVOA_X

ClientSampleId :

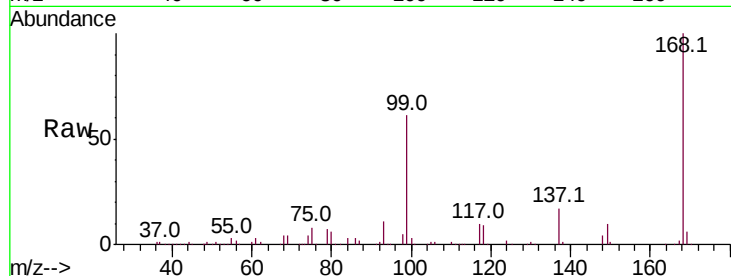
VX0920MBL01

Tot Ion:168 Resp: 183650

Ion Ratio Lower Upper

168 100

99 61.0 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

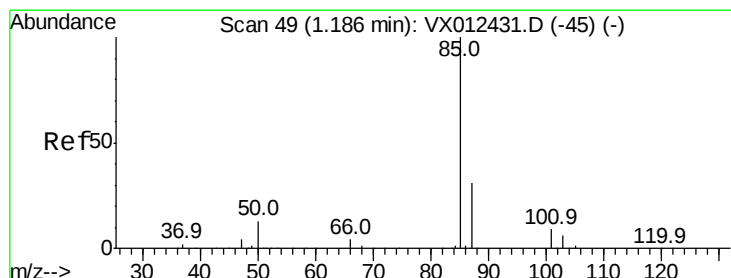
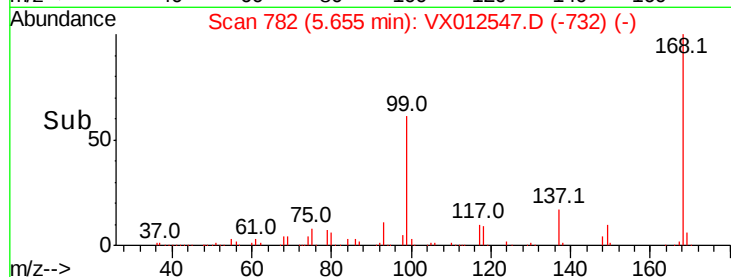
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.427 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX012547.D

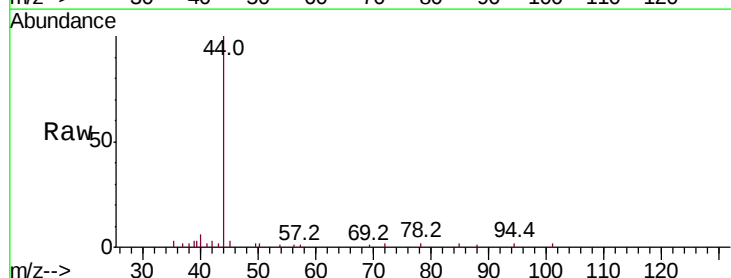
Acq: 20 Sep 2019 11:16

Tgt Ion: 85 Resp: 44

Ion Ratio Lower Upper

85 100

87 0.0 15.6 46.8#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

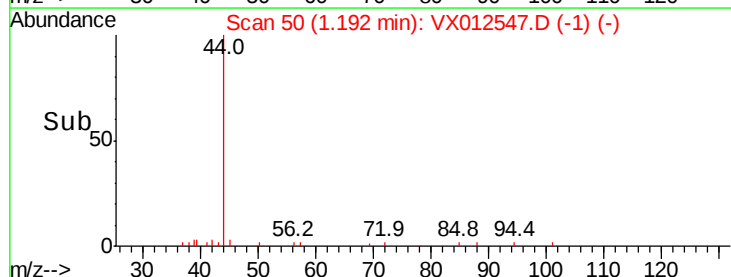
60

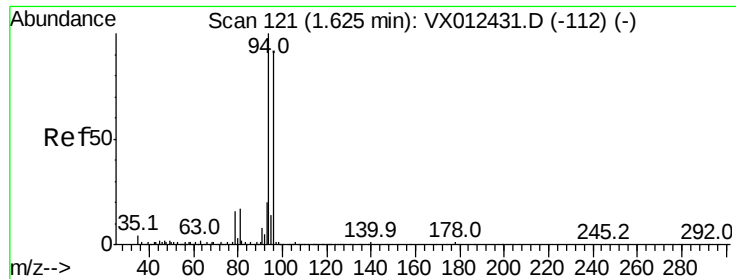
40

20

0

Time--> 1.16 1.18 1.20





#5

Bromomethane

Concen: 0.975 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX012547.D

Acq: 20 Sep 2019 11:16

Instrument :

MSVOA_X

ClientSampled :

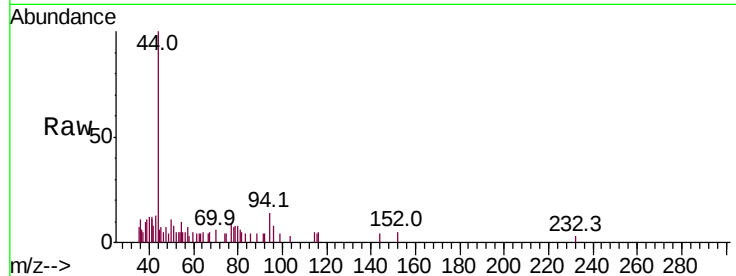
VX0920MBL01

Tot Ion: 94 Resp: 418

Ion Ratio Lower Upper

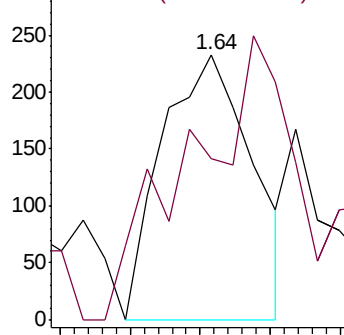
94 100

96 33.0 72.8 109.2#

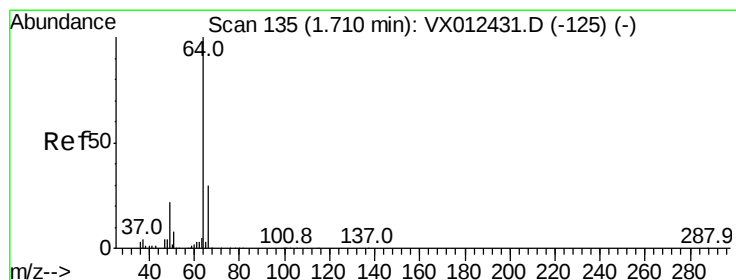
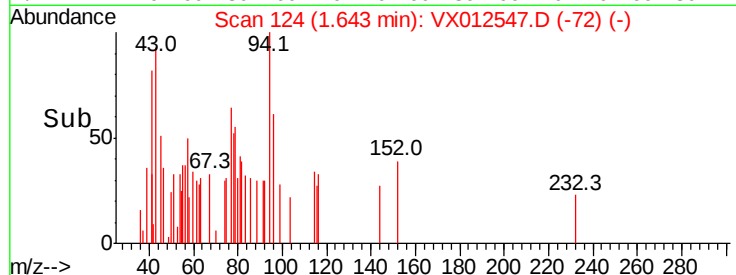


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#6

Chloroethane

Concen: 0.515 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX012547.D

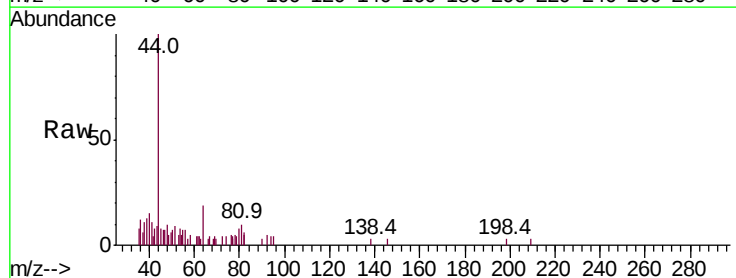
Acq: 20 Sep 2019 11:16

Tgt Ion: 64 Resp: 440

Ion Ratio Lower Upper

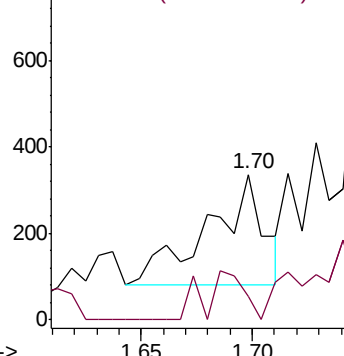
64 100

66 46.9 24.0 36.0#

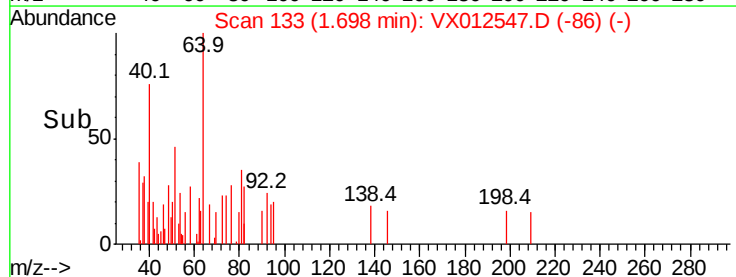


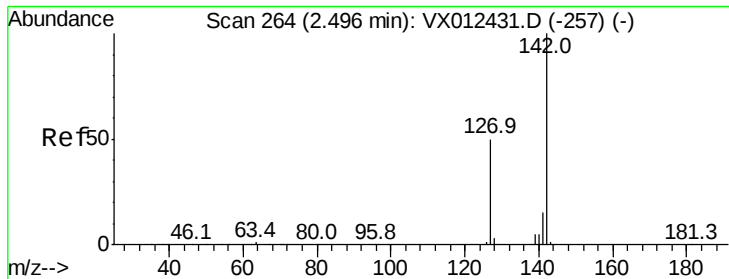
Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->

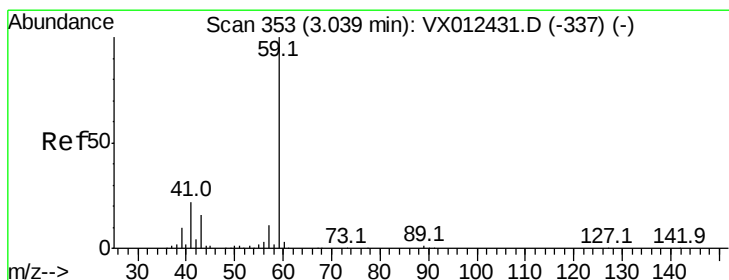
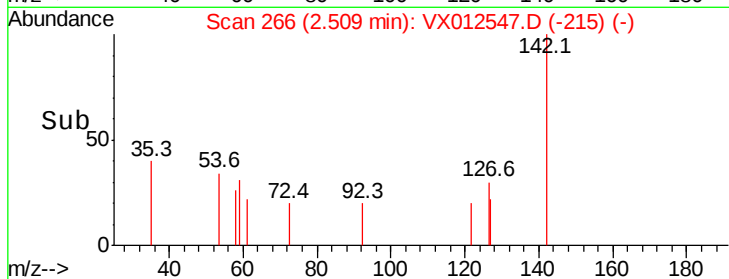
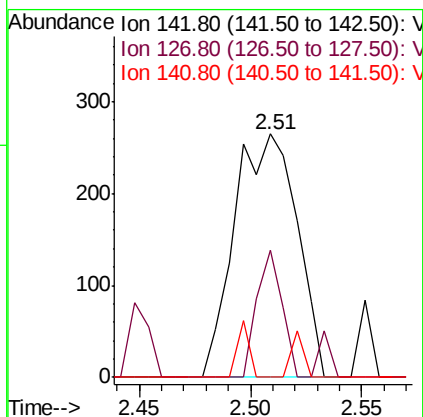
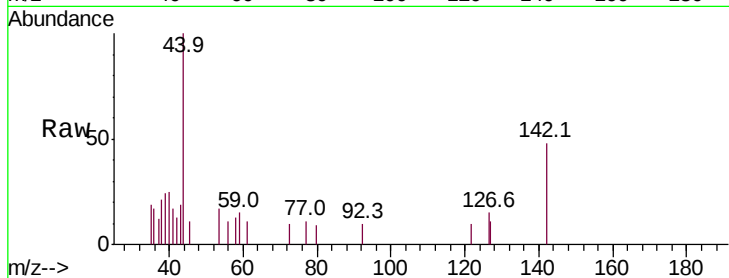




#10
Methyl Iodide
Concen: 4.821 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX012547.D
Acq: 20 Sep 2019 11:16

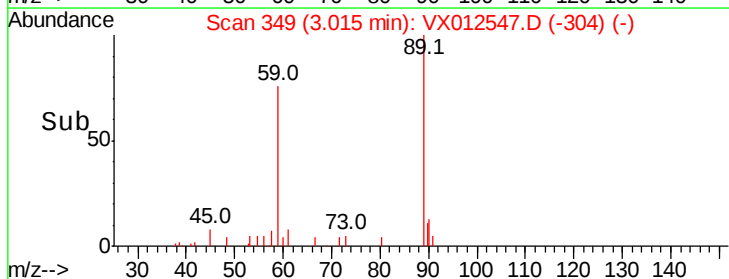
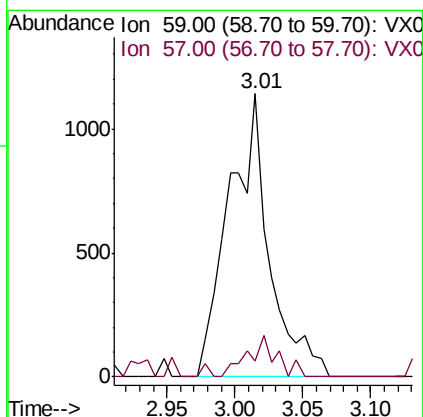
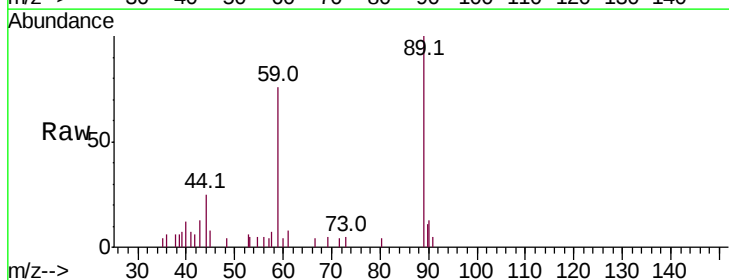
Instrument :
MSVOA_X
ClientSampled :
VX0920MBL01

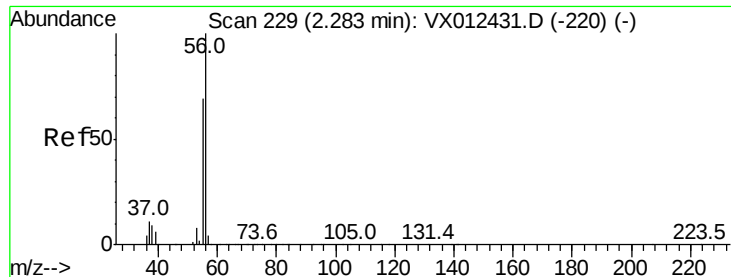
Tot Ion:142 Resp: 517
Ion Ratio Lower Upper
142 100
127 21.1 40.8 61.2#
141 4.4 12.1 18.1#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 3.01 min Scan# 349
Delta R.T. -0.02 min
Lab File: VX012547.D
Acq: 20 Sep 2019 11:16

Tgt Ion: 59 Resp: 2364
Ion Ratio Lower Upper
59 100
57 10.4 8.3 12.5





#13

Acrolein

Concen: Below Cal

RT: 2.26 min Scan# 226

Delta R.T. -0.02 min

Lab File: VX012547.D

Acq: 20 Sep 2019 11:16

Instrument :

MSVOA_X

ClientSampleId :

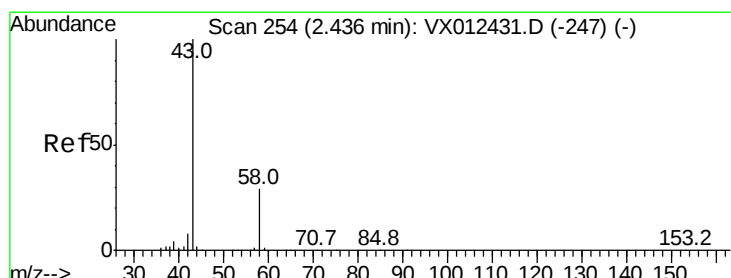
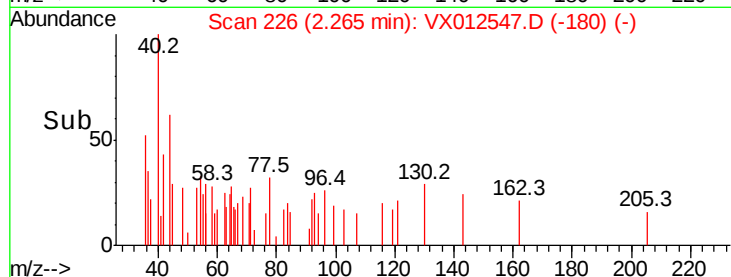
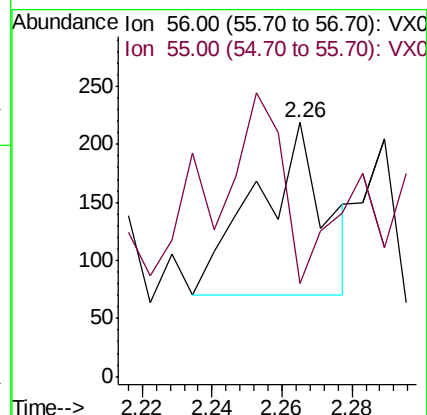
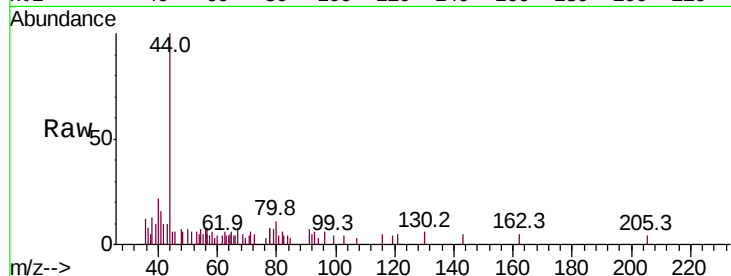
VX0920MBL01

Tot Ion: 56 Resp: 204

Ion Ratio Lower Upper

56 100

55 104.9 55.8 83.8#



#16

Acetone

Concen: Below Cal

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012547.D

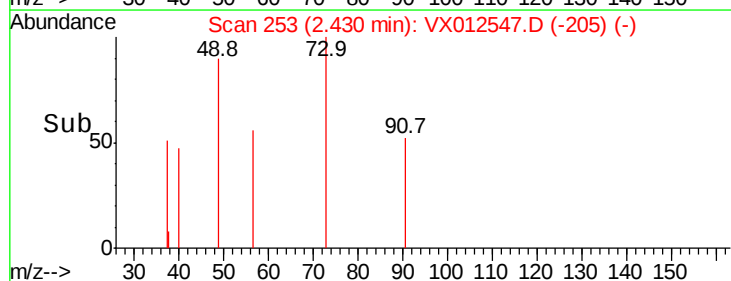
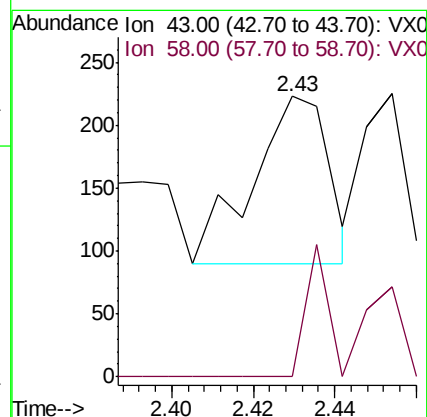
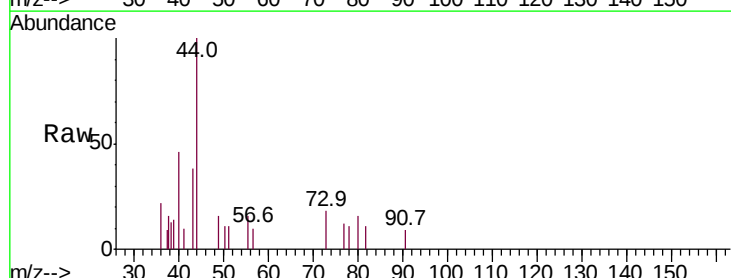
Acq: 20 Sep 2019 11:16

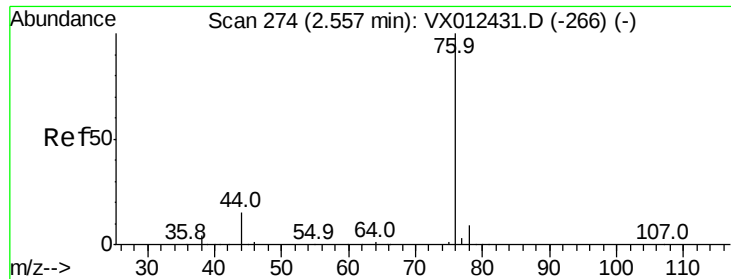
Tgt Ion: 43 Resp: 171

Ion Ratio Lower Upper

43 100

58 0.0 23.3 34.9#





#17

Carbon Disulfide

Concen: 2.109 ug/l

RT: 2.56 min Scan# 274

Delta R.T. 0.00 min

Lab File: VX012547.D

Acq: 20 Sep 2019 11:16

Instrument :

MSVOA_X

ClientSampled :

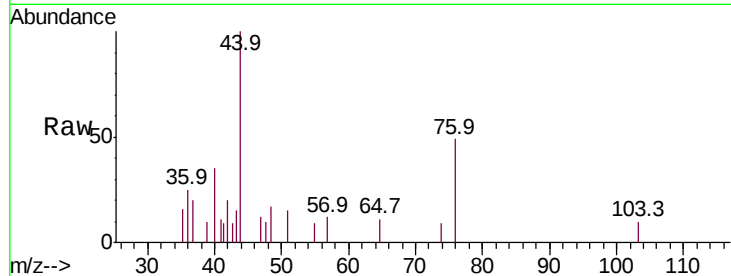
VX0920MBL01

Tot Ion: 76 Resp: 513

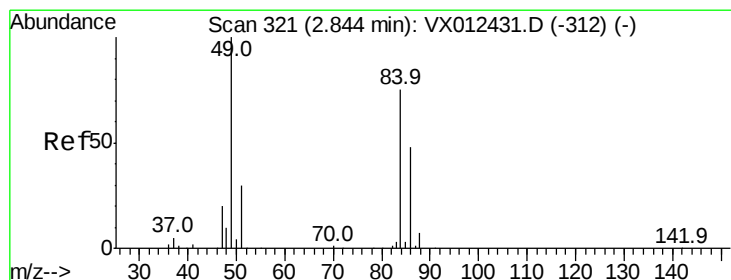
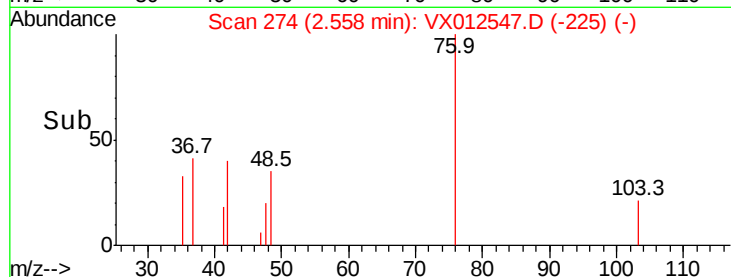
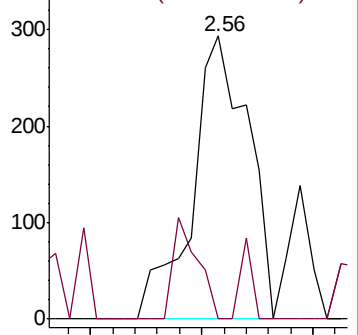
Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0



#20

Methylene Chloride

Concen: 0.282 ug/l

RT: 2.85 min Scan# 322

Delta R.T. 0.01 min

Lab File: VX012547.D

Acq: 20 Sep 2019 11:16

Tgt Ion: 84 Resp: 450

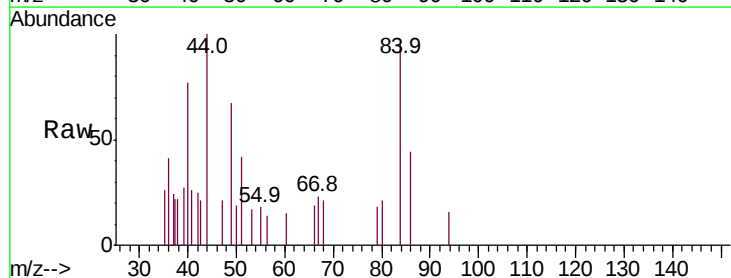
Ion Ratio Lower Upper

84 100

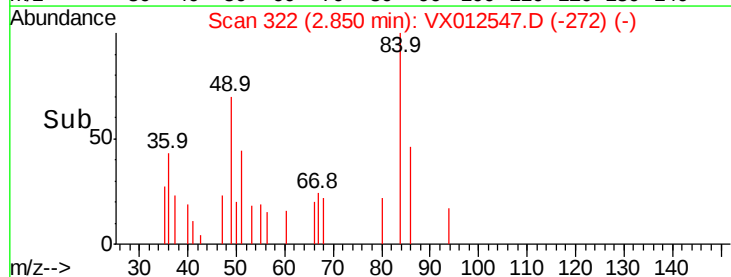
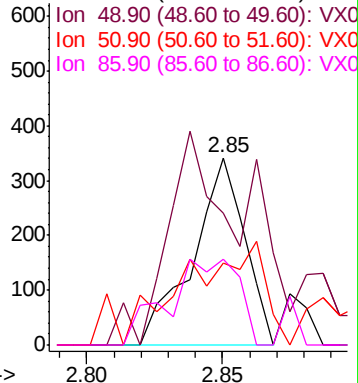
49 47.7 106.8 160.2#

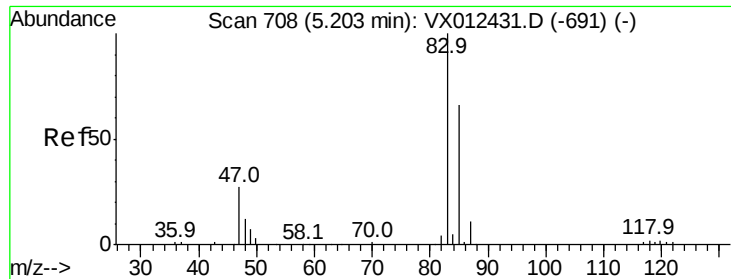
51 43.9 32.3 48.5

86 45.9 51.3 76.9#



Abundance Ion 83.90 (83.60 to 84.60): VX0





#30

Chloroform

Concen: 0.233 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.01 min

Lab File: VX012547.D

Acq: 20 Sep 2019 11:16

Instrument :

MSVOA_X

ClientSampleId :

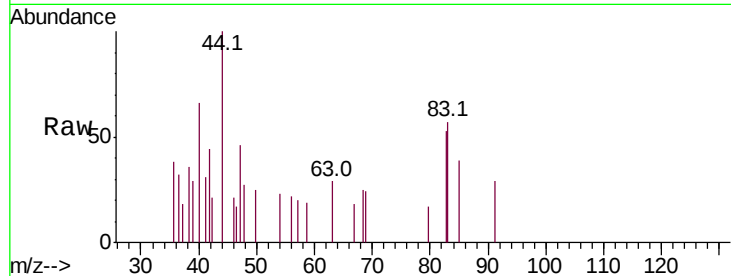
VX0920MBL01

Tot Ion: 83 Resp: 807

Ion Ratio Lower Upper

83 100

85 35.0 53.0 79.4#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

5.20

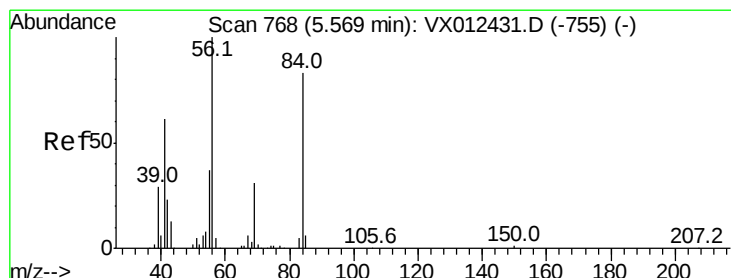
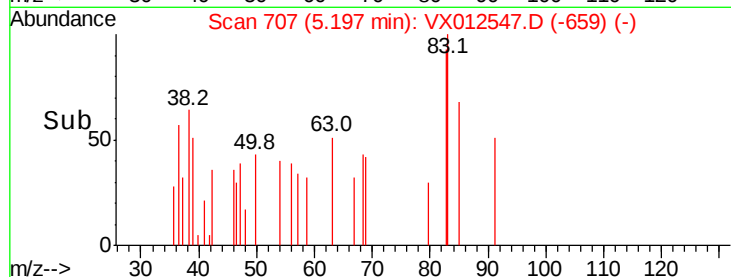
300

200

100

0

Time--> 5.10 5.15 5.20 5.25



#31

Cyclohexane

Concen: 2.678 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.09 min

Lab File: VX012547.D

Acq: 20 Sep 2019 11:16

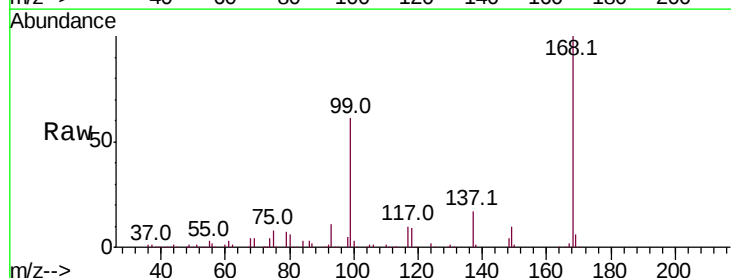
Tgt Ion: 56 Resp: 4869

Ion Ratio Lower Upper

56 100

69 164.3 25.0 37.6#

84 114.9 66.4 99.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

4000

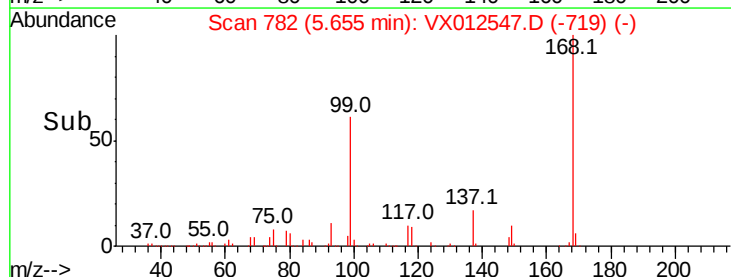
3000

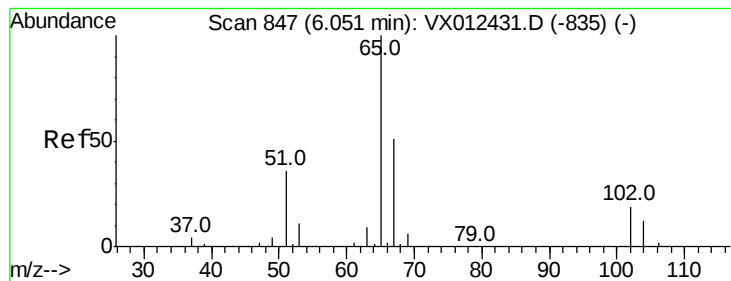
2000

1000

0

Time--> 5.50 5.60 5.70 5.80





#33

1,2-Dichloroethane-d4

Concen: 47.271 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012547.D

Acq: 20 Sep 2019 11:16

Instrument :

MSVOA_X

ClientSampled :

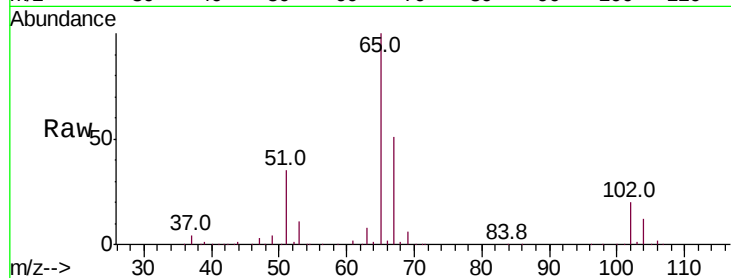
VX0920MBL01

Tot Ion: 65 Resp: 124421

Ion Ratio Lower Upper

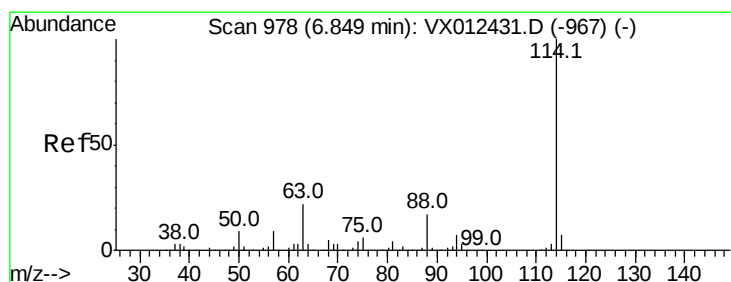
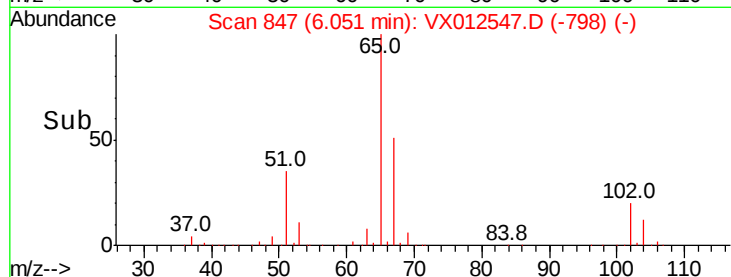
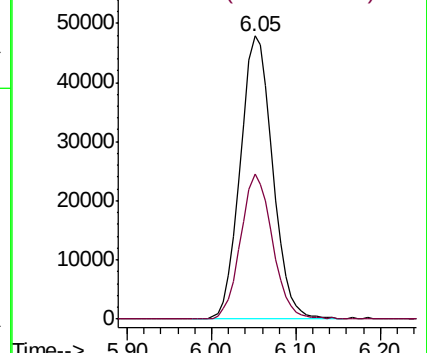
65 100

67 50.6 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012547.D

Acq: 20 Sep 2019 11:16

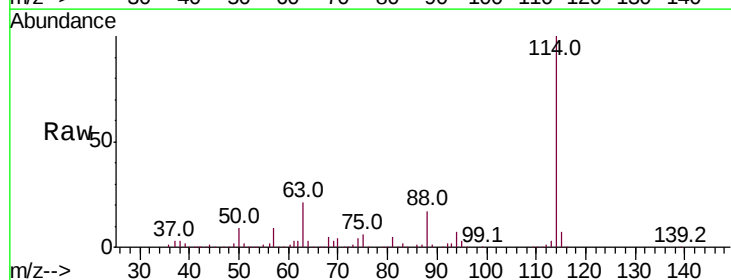
Tgt Ion:114 Resp: 295629

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.2

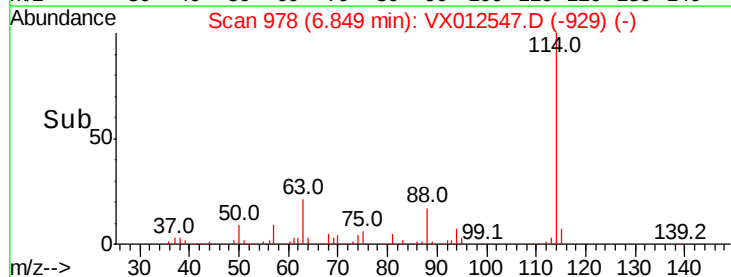
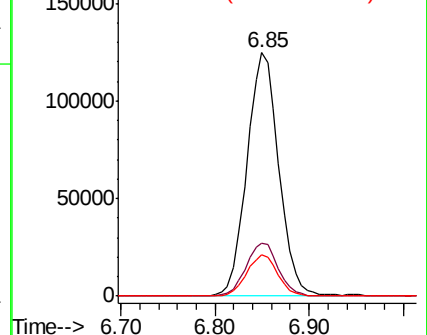
88 16.9 0.0 33.2

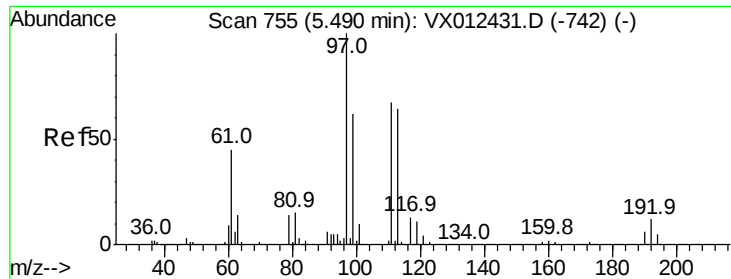


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

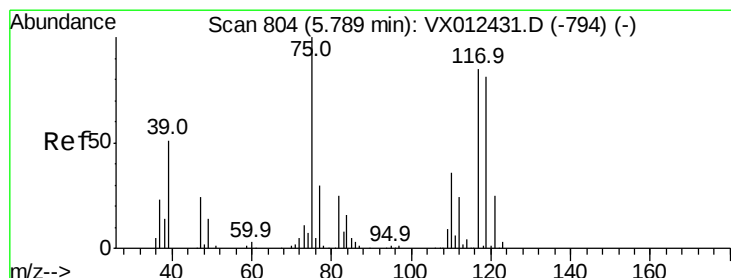
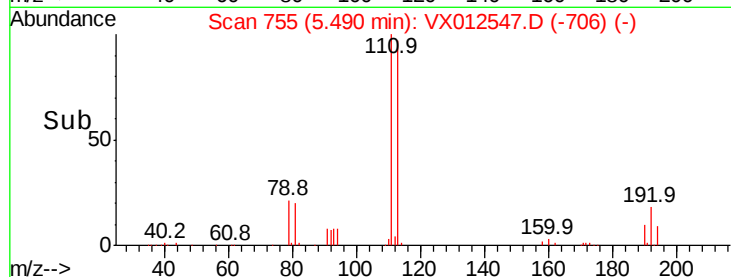
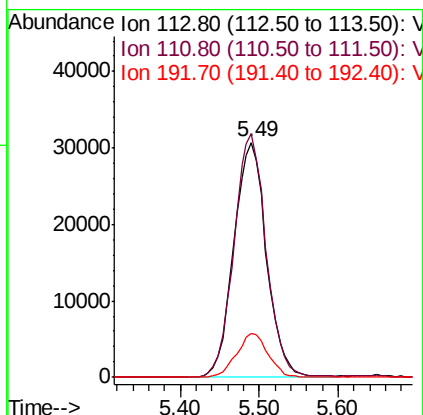
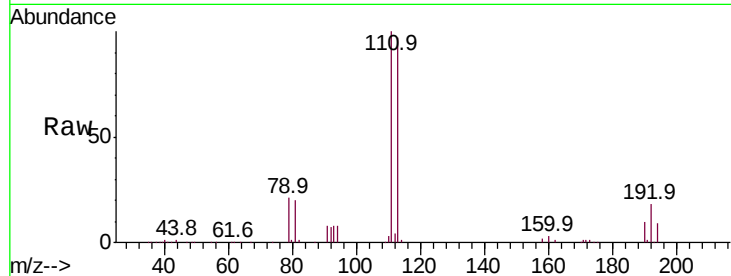




#35
 Dibromofluoromethane
 Concen: 49.438 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012547.D
 Acq: 20 Sep 2019 11:16

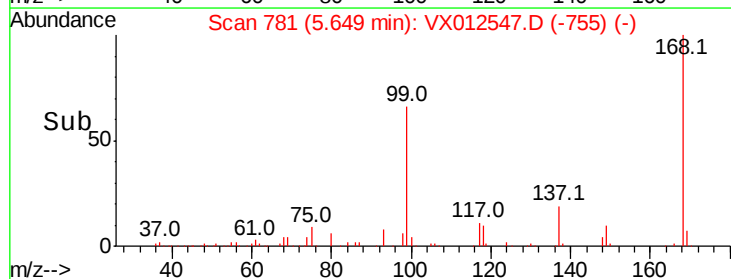
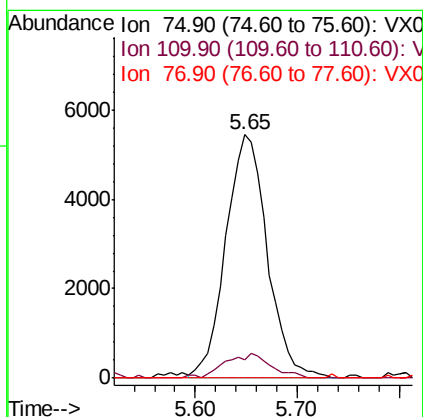
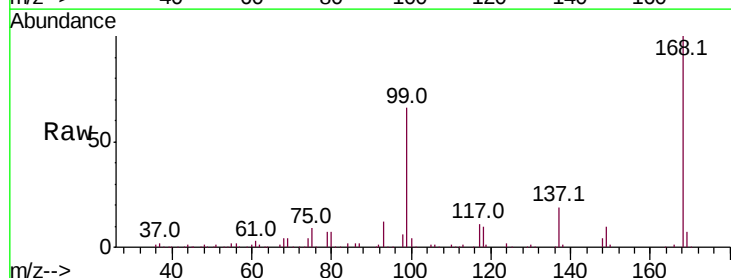
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0920MBL01

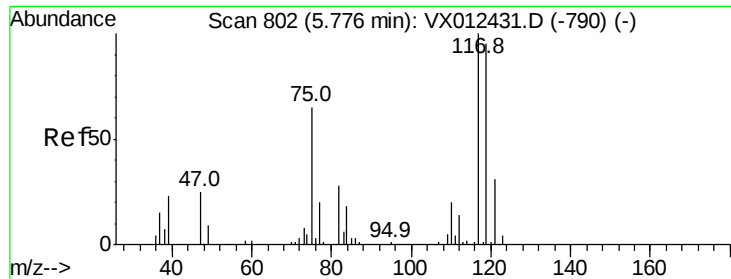
Tot Ion:113 Resp: 88461
 Ion Ratio Lower Upper
 113 100
 111 101.9 83.4 125.2
 192 18.2 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 8.551 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012547.D
 Acq: 20 Sep 2019 11:16

Tgt Ion: 75 Resp: 15363
 Ion Ratio Lower Upper
 75 100
 110 11.2 16.7 50.0#
 77 0.0 24.2 36.2#

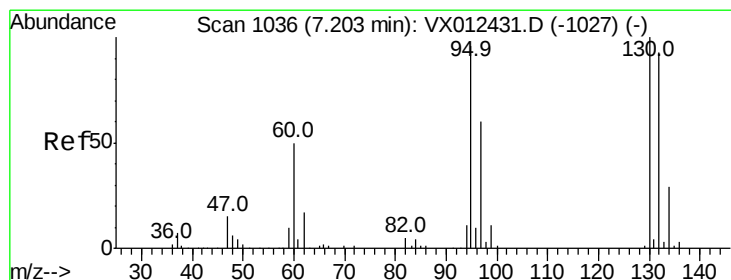
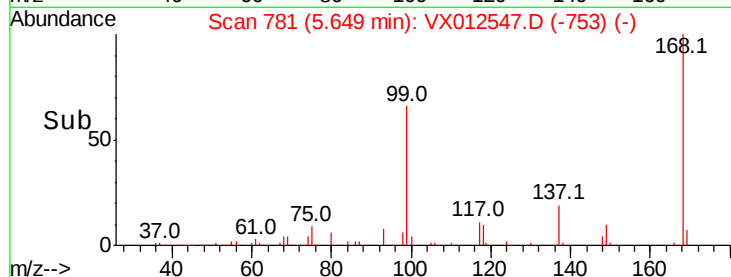
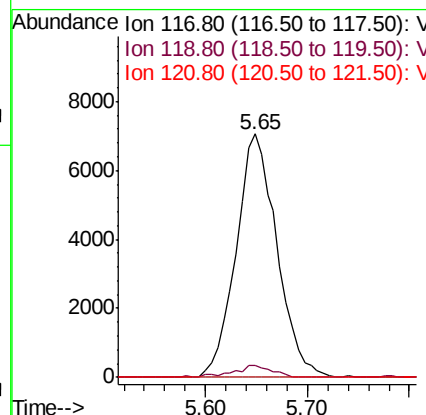
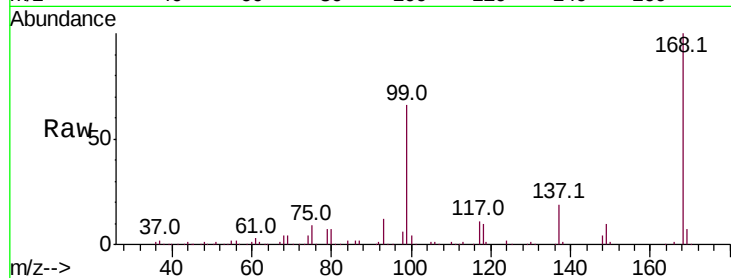




#38
Carbon Tetrachloride
Concen: 8.756 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX012547.D
Acq: 20 Sep 2019 11:16

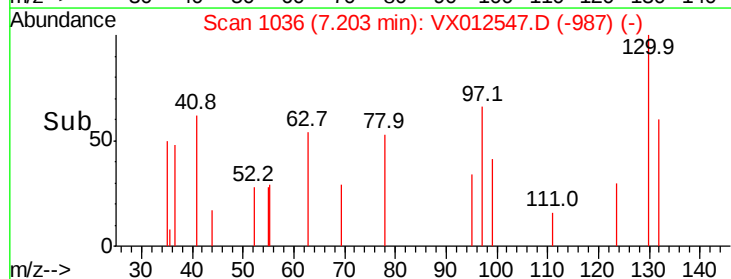
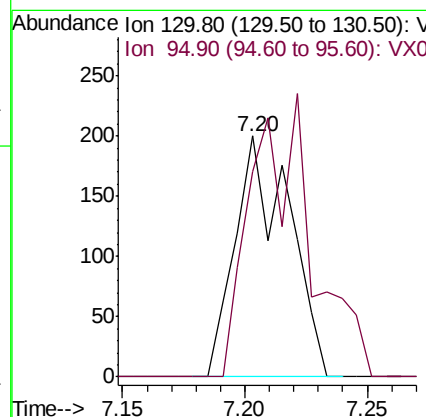
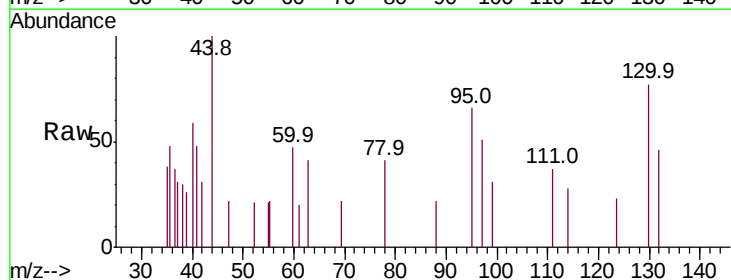
Instrument :
MSVOA_X
ClientSampleId :
VX0920MBL01

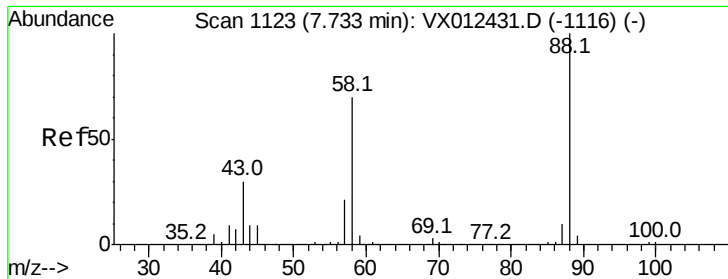
Tot Ion:117 Resp: 19565
Ion Ratio Lower Upper
117 100
119 4.8 75.7 113.5#
121 0.0 24.2 36.4#



#44
Trichloroethene
Concen: 0.204 ug/l
RT: 7.20 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VX012547.D
Acq: 20 Sep 2019 11:16

Tgt Ion:130 Resp: 307
Ion Ratio Lower Upper
130 100
95 85.0 0.0 193.0





#49

1,4-Dioxane

Concen: 0.405 ug/l

RT: 7.78 min Scan# 1130

Delta R.T. 0.04 min

Lab File: VX012547.D

Acq: 20 Sep 2019 11:16

Instrument :

MSVOA_X

ClientSampleId :

VX0920MBL01

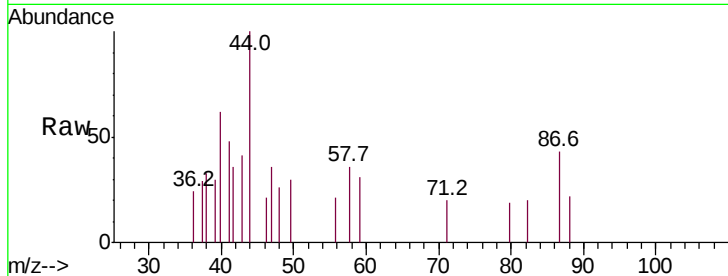
Tot Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 182.6 29.4 44.0#

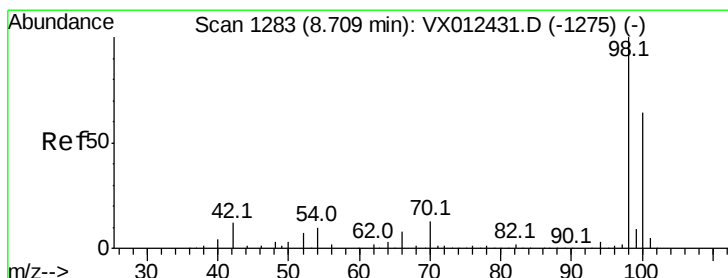
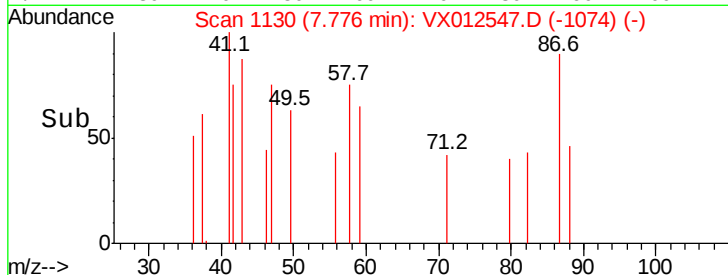
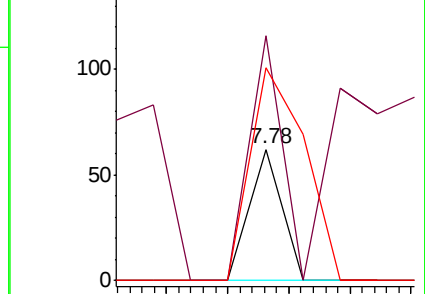
58 269.6 57.5 86.3#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 50.760 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012547.D

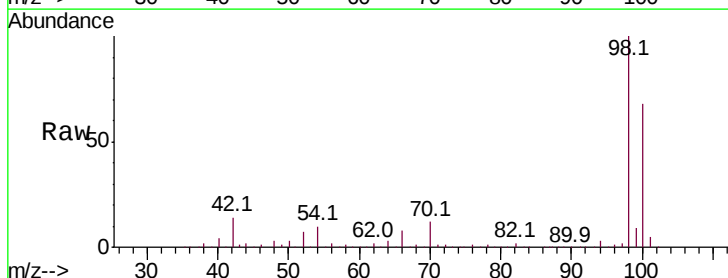
Acq: 20 Sep 2019 11:16

Tgt Ion: 98 Resp: 336189

Ion Ratio Lower Upper

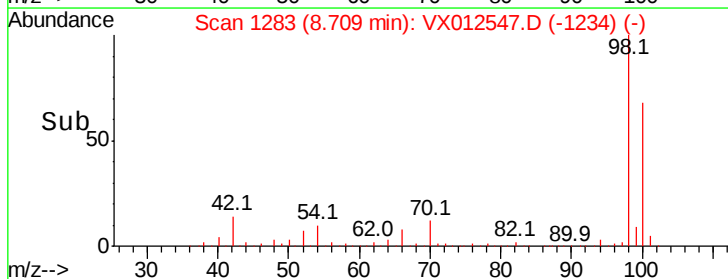
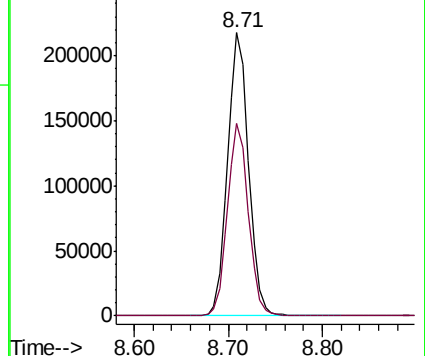
98 100

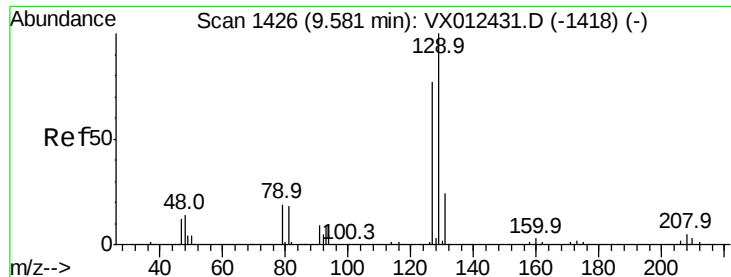
100 67.9 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 0.366 ug/l

RT: 9.34 min Scan# 1386

Delta R.T. -0.24 min

Lab File: VX012547.D

Acq: 20 Sep 2019 11:16

Instrument :

MSVOA_X

ClientSampleId :

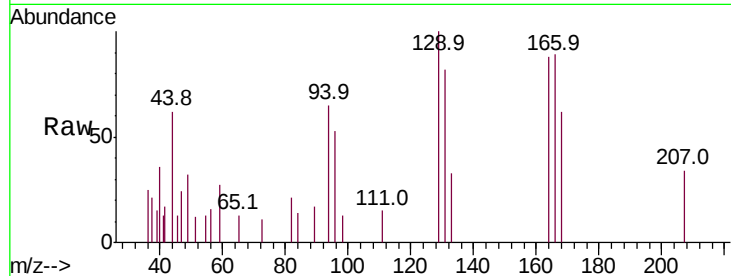
VX0920MBL01

Tot Ion:129 Resp: 708

Ion Ratio Lower Upper

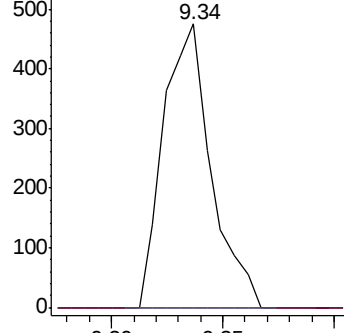
129 100

127 0.0 38.9 116.6#

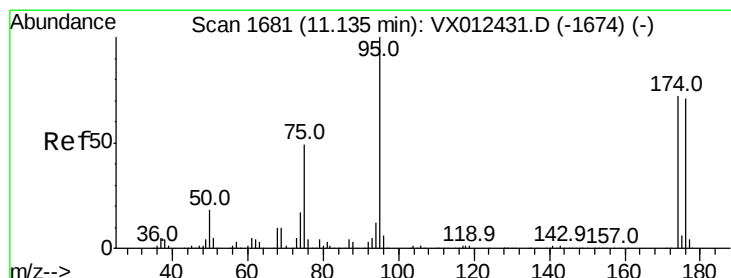
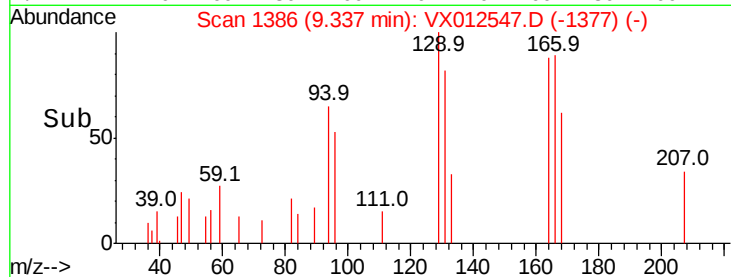


Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 44.165 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012547.D

Acq: 20 Sep 2019 11:16

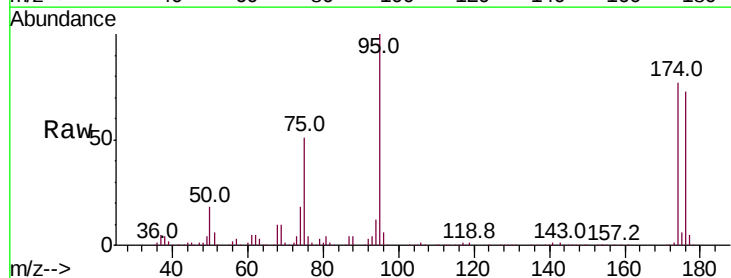
Tgt Ion: 95 Resp: 121452

Ion Ratio Lower Upper

95 100

174 72.1 0.0 140.0

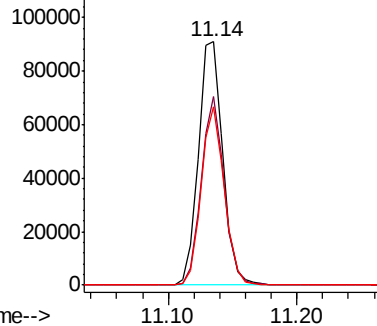
176 68.9 0.0 135.4



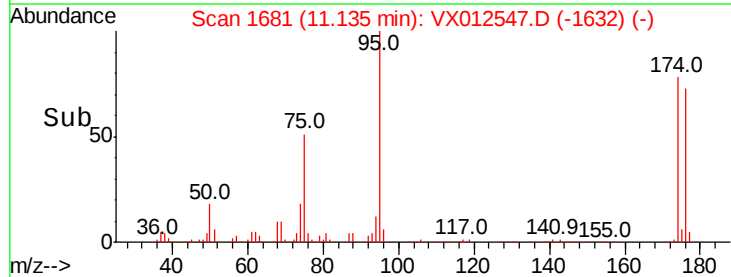
Abundance Ion 94.90 (94.60 to 95.60): VX0

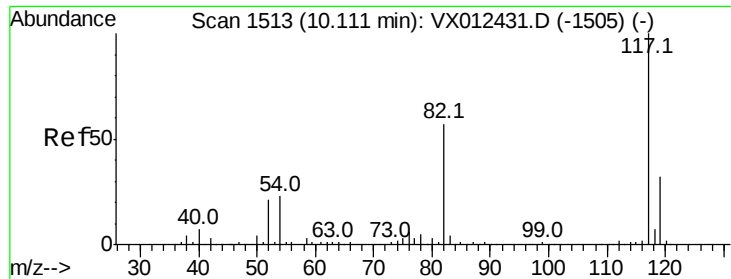
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

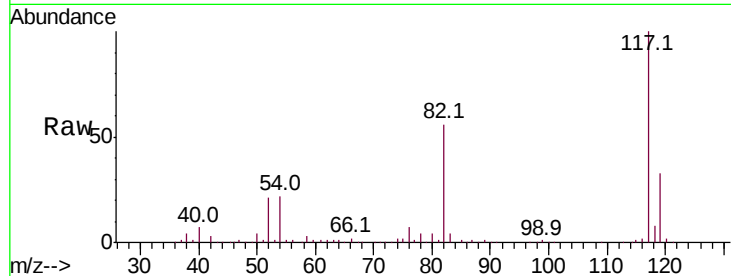




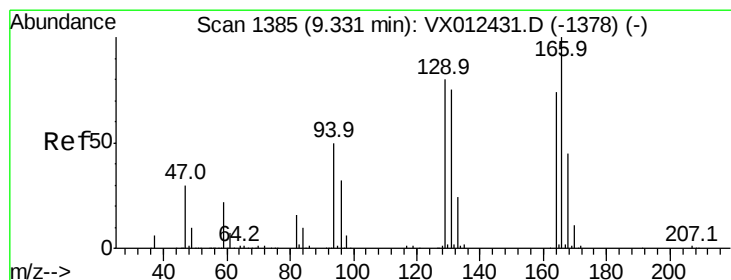
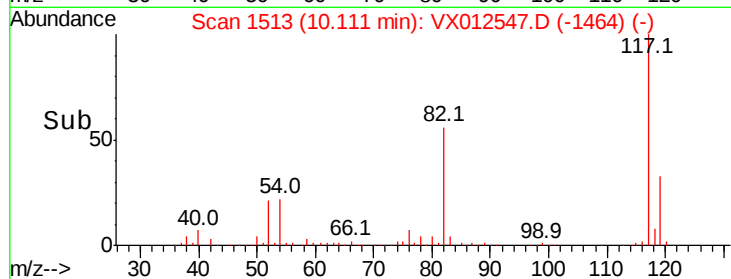
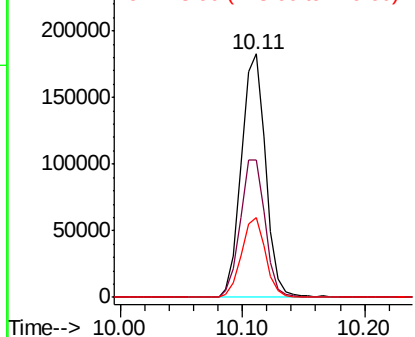
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012547.D
Acq: 20 Sep 2019 11:16

Instrument :
MSVOA_X
ClientSampleId :
VX0920MBL01

Tot Ion:117 Resp: 250258
Ion Ratio Lower Upper
117 100
82 56.2 45.9 68.9
119 32.6 25.3 37.9

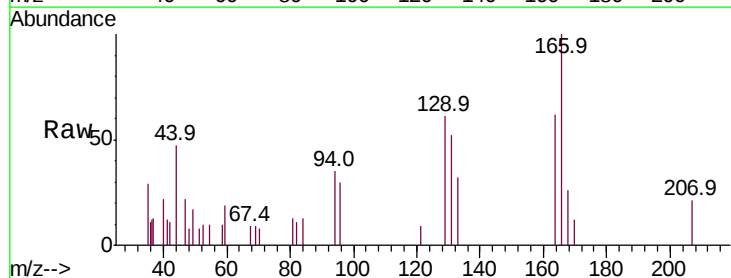


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

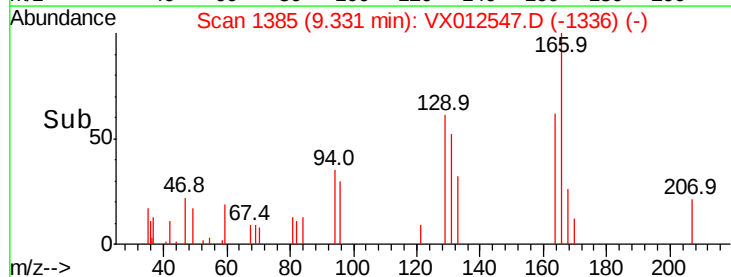
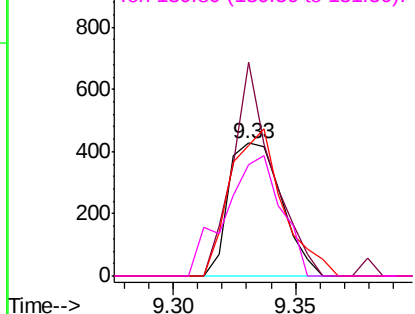


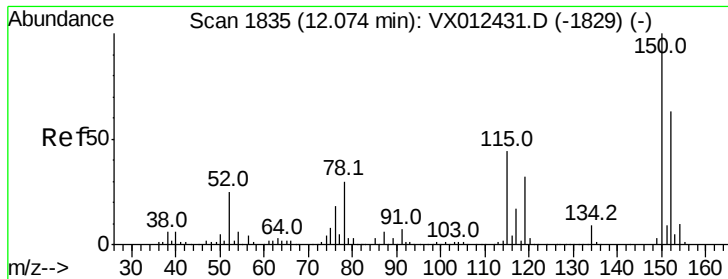
#64
Tetrachloroethene
Concen: 0.562 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012547.D
Acq: 20 Sep 2019 11:16

Tgt Ion:164 Resp: 644
Ion Ratio Lower Upper
164 100
166 161.3 107.8 161.6
129 98.8 86.2 129.2
131 83.8 80.4 120.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012547.D

Acq: 20 Sep 2019 11:16

Instrument :

MSVOA_X

ClientSampleId :

VX0920MBL01

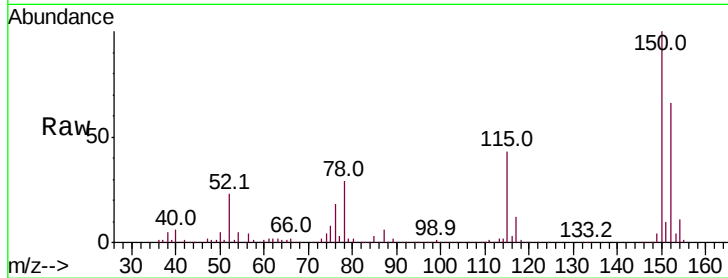
Tot Ion:152 Resp: 102336

Ion Ratio Lower Upper

152 100

115 64.1 44.1 132.3

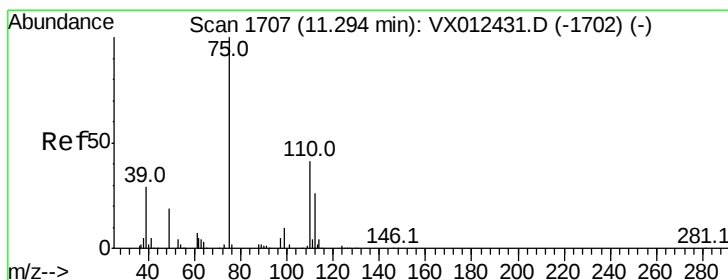
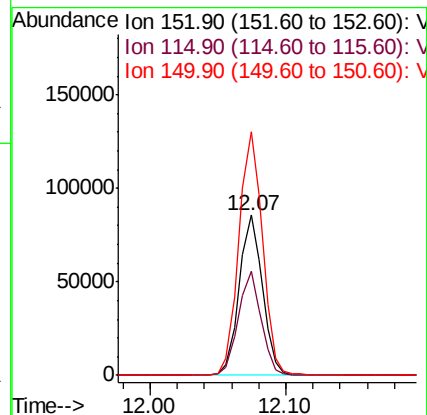
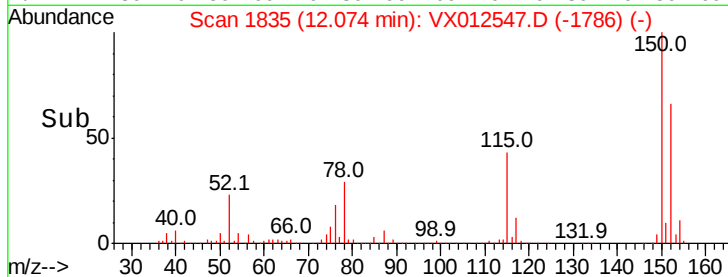
150 154.1 0.0 343.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 27.423 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012547.D

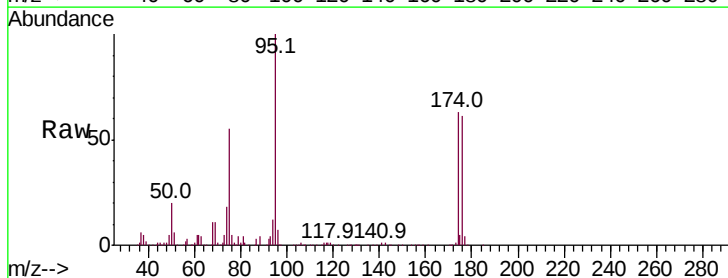
Acq: 20 Sep 2019 11:16

Tgt Ion: 75 Resp: 64465

Ion Ratio Lower Upper

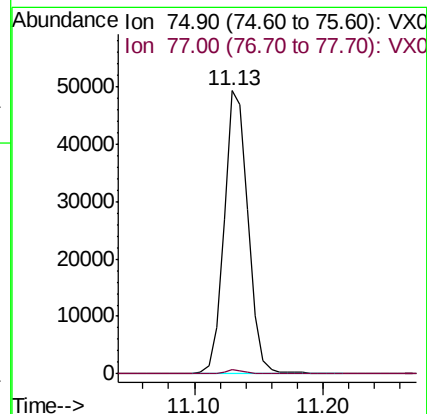
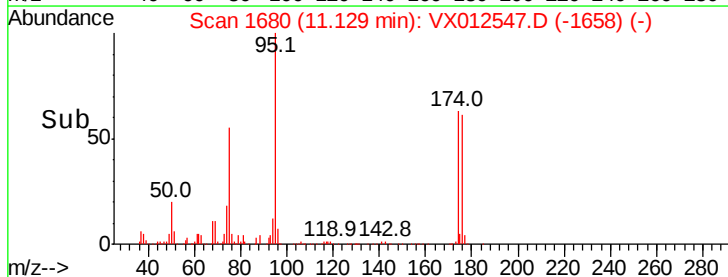
75 100

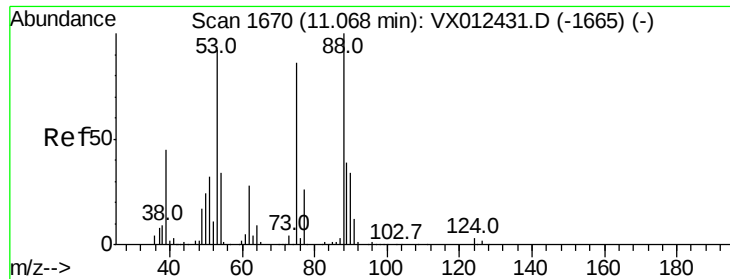
77 1.3 19.7 59.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 73.721 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012547.D

Acq: 20 Sep 2019 11:16

Instrument :

MSVOA_X

ClientSampleId :

VX0920MBL01

Tot Ion: 75 Resp: 64465

Ion Ratio Lower Upper

75 100

53 0.1 83.6 125.4#

89 0.0 36.3 54.5#

